

Comparisons of Job Characteristics

Focus Occupation: [Medical and Clinical Laboratory Technologists \(29-2011\)](#)

Associated Occupation: [Radiologic Technologists \(29-2034\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 56

Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Associated Occupation: Radiologic Technologists (29-2034)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Customer and Personal Service	11.3	18.4	8.9	<<	Extensive education and/or training may be required
Medicine and Dentistry	3.7	13.7	10.1	<<	Extensive education and/or training may be required
Physics	4.3	12.4	3.6	<<	Extensive education and/or training may be required
Psychology	6.4	11.2	3.1	<<	Extensive education and/or training may be required
Biology	3.7	8.6	16.7	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Associated Occupation: Radiologic Technologists (29-2034)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Service Orientation	7.9	10.2	6.6	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	9.5	6.3	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	9.0	7.4	<	A higher skill level may be required
Science	4.5	8.2	10.9	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011) Associated Occupation: Radiologic Technologists (29-2034)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.5	10.0	0	Current ability level may be sufficient
Control Precision	6.6	10.3	8.3	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	9.8	6.3	<<	Extensive improvement in abilities may be required
Static Strength	5.0	8.2	3.7	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	8.0	2.2	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	7.7	3.6	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 65
Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011) Associated Occupation: Radiologic Technologists (29-2034)		
Work Activities	Exclusivity of Activity	
Analyze medical data	57	
Communicate technical information	4	
Follow infectious materials procedures	52	
Understand technical operating, service or repair manuals	6	
Use clinical sterilizing technique	71	
Use hazardous materials information	35	
Use knowledge of medical terminology	40	
Use quality assurance techniques	61	
Use sanitation practices in health care settings	48	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 26

Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)
Associated Occupation: Radiologic Technologists (29-2034)

Tools and Technologies	Exclusivity
Computers	1
Data management and query software	1
Indicating and recording instruments	2
Industry specific software	1
Injection and aspiration needles and accessories	25
Specimen collection and transport containers and supplies	14
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.